

Title (en)

Apparatus for and method of controlling internal combustion engine.

Title (de)

Verfahren und Vorrichtung zur Steuerung einer Brennkraftmaschine.

Title (fr)

Dispositif et méthode de commande de moteur à combustion interne.

Publication

EP 0661432 A3 19960807 (EN)

Application

EP 94309682 A 19941222

Priority

- JP 33489593 A 19931228
- JP 33492893 A 19931228

Abstract (en)

[origin: EP0661432A2] Under a partial load, a pumping loss is reduced by a stratified combustion to enhance a fuel consumption, and during the maximum output operation, the output is increased by a premixture combustion, and the output of an engine is controlled, thereby enhancing the drivability. Under the partial load, an ignition source is provided in the vicinity of a fuel injection valve, and after the fuel is injected, the mixture is ignited, and a resulting flame is caused by a spray of the fuel to spread into a cylinder, thereby effecting a stratified combustion. When the load increases, so that soot and so on are produced in the stratified combustion, the fuel injection is effected a plurality of times in a divided manner, and a premixture is produced within the cylinder by the front-half injection, and a flame, produced by the latter-half injection, is injected into the cylinder to burn this premixture. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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- [A] GB 2248087 A 19920325 - FORD MOTOR CO [GB]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 13, no. 41 (M - 791) 30 January 1989 (1989-01-30)
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